

# IKO enertherm ALU

## Product description:

IKO enertherm ALU is a 100 % CFC, HCFC or HFC-free insulation board with a rigid polyisocyanurate foam core, clad on both sides with a multi-layer gastight aluminium complex. This high-quality reflecting ALU cladding consists of no fewer than seven layers, combined into a single complex. It is tested under extreme conditions in respect of water absorption, mechanical properties, corrosion resistance and emissivity.

## Application:

**Roof top:** flat roof insulation for timber, concrete and steel deck.

**Pitch:** pitched roof insulation

**Floor:** floor insulation (underfloor heating and concrete floors).

**Wall:** timber, steel frame & cavity wall insulation.

**Wrap:** façade

**Comfort:** loft insulation

## Edge finish:

 Straight

## Thermal performance:

Thermal conduction coefficient: (EN 13165)  $\lambda_D$ : **0,022 W/(m.K)**

## Fire properties

Fire class according to EN 13501-1: Class E

Fire class 'end use' according to 13501-1: B-s2,d0 (steeldeck)

Fire class according to BS 476 - p7 : class 1

## Technical details:

Bulk density:  $\pm$  **32 kg/m<sup>3</sup>**

Compressive strength at 10% deformation: **175 kPa (17,5 ton/m<sup>2</sup>)**

Behaviour under uniformly distributed loading: **Class C** ( $\leq$  5% deformation at 70 °C and 40 kPa loading)

Closed cells: **more than 95%**

Water vapour diffusion: PIR foam:  $\mu$  = **60** - ALU facing:  $\mu$  > **100,000**



## Technical approvals:

**Europe:** CE - EN 13165: T2-DS(70,90)3-DS(-20,-)1-DLT(2)5-TR80-CS(10Y)175-WL(T)1

**UK:** BBA Certified

## Availability:

Thickness (mm)		25	30	40	50	60	70	75	80	90	100	110	120	140	150	160	180	200
1 200 x 450	m2/pack	-	8,64	6,48	5,40	4,32	-	2,16	-	-	2,70	-	-	-	-	-	-	-
	m2/pal	-	86,40	64,80	54,00	43,20	-	34,56	-	-	27,00	-	-	-	-	-	-	-
1 200 x 1 000	m2/pack	-	19,20	14,40	12,00	9,60	7,20	-	-	4,80	6	-	4,80	3,60	-	-	-	-
	m2/pal	-	96,00	72,00	60,00	48,00	36,00	-	-	33,6	30	-	24,00	21,60	-	-	-	-
2 400 x 1 200	m2/pack	57,60	46,08	34,56	28,80	23,04	20,16	11,52	17,28	11,52	14,40	11,52	11,52	8,64	5,76	5,76	5,76	5,76
	m2/pal	288	230,40	172,80	144,00	115,20	100,80	80,64	86,40	70,64	72,00	57,60	57,60	57,60	46,08	46,08	40,32	34,57